SERVICE MANUAL

FOR

MODEL WPP-333-D
WEATHERPROOF TELEPHONE

OR

MODEL SSP-313-D
STAINLESS STEEL PANEL TELEPHONE

EQUIPPED WITH ADI2.01 FIRMWARE

CEECO

Serving the Telephone Industry Since 1930

Communication Equipment
& Engineering Company

519 W South Park Street
Okeechobee, FL 34972
Voice: 863-357-0798
Fax: 863-357-0006

IMPORTANT INFORMATION FOR CUSTOMER

Please fill in before you continue.

The following information is necessary when calling CEECO for assistance.

MODEL NUMBER	MODEL WPP-333-D OR SSP-313-D EQUIPPED WITH ADI2.01 FIRMWARE
SERIAL NUMBER	
DATE MANUFACTURED	
LOCATION INSTALLED	

For us to better serve you, please have this information available when calling for technical support.

CEECO

Communication Equipment & Engineering Company

519 W South Park Street
Okeechobee, FL 34972
863-357-0798- telephone
863-357-0006- facsimile
info@ceeco.net
www.ceeco.net

TABLE OF CONTENTS

SECTION		PAGE
1.0	INTRODUCTION	4
2.0	GENERAL	4
3.0	PROGRAMMING	5
	PROGRAMMING CONTINUED…	6
4.0	TESTING/OPERATION	7
5.0	RECOMMENDED TOOLS AND TEST EQUIPMENT	7
6.0	INSTALLATION INSTRUCTIONS	8
7.0	SPECIFICATIONS	9
8.0	PARTS LIST	10
9.0	REPAIR & RETURN POLICY	11
10.0	WARRANTY	12
11.0	DIAGRAM	13

1.0 INTRODUCTION

The practices in this manual provide installation and maintenance information for the CEECO Model WPP-333-D or Model SSP-313-D Telephone, equipped with ADI2.01 firmware.

The information in this manual is subject to change without notification.

For information not included in this manual, please call or write:

CEECO
Customer Service
519 W South Park Street
Okeechobee, FL 34972
863-357-0798- telephone
863-357-0006- facsimile
info@ceeco.net
www.ceeco.net

2.0 GENERAL

2.1 The CEECO Model WPP-333-D or Model SSP-313-D Telephone is designed for automatic dialing applications. The SSP-313-D is assembled on a sturdy and attractive stainless steel panel. The WPP-333-D is essentially the SSP-313-D housed in a sturdy, cast aluminum, weatherproof housing.

2.2 The telephone utilizes a microprocessor-based design to deter fraud from hand held tone dialers and hookswitch dialing. The microprocessor keeps the transmitter muted (off) during periods of dial tone. Attempts to dial a number by “flashing” the hookswitch will cause the microprocessor to "reset" and open the line. It will then seize the line and dial any programmed number(s).

2.2 When the handset is lifted one or two separate telephone numbers (depending on user programming) of up to twenty-five (25) digits may be automatically dialed.

2.3 Programming is accomplished via an internally mounted DTMF keypad.

3.0 PROGRAMMING

3.1 Using a security tool (CEECO part number 301-037, **sold separately**) loosen and remove the security screws. Separate the telephone assembly from the mounting or housing.

3.2 Looking at the rear of the phone, locate the multi-color ribbon cable, which extends from the printed circuit board and has an open white connector on the free end. Locate the separately packaged programming keypad, which also has an open white connector attached to it. **Connect the programming keypad,** via the white connectors.

3.3 **Connect the Telephone** to a working telephone line or a DTMF test set.

3.4 Locate the two plastic **mini-jumpers** on the corner of the Printed Circuit Board and move them to the **"ON" position**, as depicted on the last page of this manual.

3.5 **Lift the handset** and wait for dial tone. Utilizing the programming keypad, **enter # 9 7** on the keypad. This **will clear all** field programmable memory.

NOTE: During programming it is essential to press the keys deliberately and slowly. Missed or partial tones will result in improper programming. Also, the Central Office will sometimes respond with fast busy, operator reorder, or other such tones. Please ignore these and continue with programming, as the C.O. tones will have no effect.

3.2 If the phone must **automatically dial a number**, when the handset is lifted, **enter # 1 9** on the programming keypad, **followed by the desired number** of up to twenty-five (25) digits in length. Once programmed, this number will always dial, when the handset is lifted.

EXAMPLE: Entering #1918005551212 on the programming keypad will cause the phone to automatically dial the number 1-800-555-1212, when the handset is lifted.

- Be sure to record your number in the Location #19 Table below for future reference.

LOCATION #19 TABLE:

— —

3.3 If the phone must **automatically dial a second number,** when the handset is lifted, **enter # 2 0** on the programming keypad, **followed by the desired number** of up to twenty-five (25) digits in length. In order for the phone to dial the number stored in the #20 programming location, you must select a "1" for Digit 1, under the #00 programming location (refer to next section-3.7). You must also make selections for Digits 2 and 3 accordingly. Location #19 **must** be used in order to use Location #20.

PROGRAMMING CONTINUED…

EXAMPLE: Entering #2019545875430 on the programming keypad will cause the phone to automatically dial the number 1-954-587-5430, when the handset is lifted.

- Be sure to record your number in the Location #20 Table below for future reference.

LOCATION #20 TABLE:

— —

SCENARIO: Location #19 might be programmed to dial "9" for an outside line. Location #20 might be programmed to dial 1-800-555-1212, after the outside line is established. The programming sequence would be #199#2018005551212, which is entered on the programming keypad.

3.7 **Enter # 0 0** on the keypad. This accesses the **telephone options** programming location. Now **enter three digits**, which you will select from the options below, to customize the phone for the particular installation.

Digit 1

0	Do not dial the number in location #20.
1	Dial the number in location #20.

Digit 2

0	Wait for dial tone before dialing the number in location #20.
1	Wait for 1-9 seconds (depending on digit 3 below) before dialing number in location #20.

Digit 3

1-9	Number of seconds to wait before dialing number in location #20.

- Be sure to record your selections in the **OPTIONS TABLE** below for future reference:

OPTIONS TABLE: # 0 0 __ __ __

3.8 Programming is now completed. **Hang up** the phone and return the two plastic **mini-jumpers** to the **"OFF"** position as depicted on the last page of this manual. **Remove** the **programming keypad** and store it for future use. The phone is now ready for Testing/Operation.

4.0 TESTING/OPERATION

4.1 With the phone connected to a working phone line or a DTMF test set, lift the handset. The telephone will wait for dial tone. When dial tone is detected any number programmed as the first auto dial number (memory location #19) will be dialed. The handset transmitter should be muted (off) until dialing is complete. If the intended number does not dial out, repeat sections 3.3, 3.5, and 3.8 only. If this does not solve the problem, refer to section 10.2 please.

4.2 If there is a second number to auto dial (memory location #20), the phone will either wait for the return of dial tone or wait the appropriate time (depending on the programming selected under Location #00 Digit 2) and dial that second number. Remember that Digit 1, under Location #00 must be set to "1" for Location #20 to be enabled. If the second number does not dial out, repeat sections 3.3, 3.5, 3.6, 3.7 and 3.8. If this does not solve the problem, please refer to section 10.2.

4.3 Normal phone operation should follow. Have the called party hang up. Wait for the central office equipment to time out and return dial tone. Shortly after dial tone is received, three tones should be heard. The phone will open the line and remain in this condition until the handset is placed on hook. The handset transmitter and receiver will be disabled during this period.

4.4 Attempt to "hookswitch dial" by tapping quickly on the hookswitch. The telephone should hang up, seize the telephone line and dial the programmed auto dial number(s), when dial tone is received again.

5.0 RECOMMENDED TOOLS AND TEST EQUIPMENT

Volt Meter
1/4" Nut Driver
Flat Blade Screw Driver
Security Tool 301-037

6.0 INSTALLATION INSTRUCTIONS

6.1 Using a 301-037 security tool (**sold separately**) loosen and remove the security screws.

6.2 The security tool is for a standard 5/32" button head screw generally used on the framework of the phone booths.

6.3 Separate the telephone assembly from the mounting or housing. Mountings or housings should be installed as is appropriate for each particular item and installation. Be sure that installation is done in accordance with all applicable laws and codes.

6.4 Run the inside station wire through the mounting or housing and terminate on to the RJ11C terminal block.

6.5 The use of a gas tube station protector is recommended. The station ground should not exceed 50 ohms.

6.6 Plug the modular line cord from the telephone assembly into the RJ11C terminal block.

6.7 Dress the line cable away from hardware, which might cause damage to the cable. Secure the telephone assembly by installing and tightening the security screws.

6.8 When servicing the phone, be sure the PC board does not contact metal parts, otherwise permanent damage may occur to the board.

*******WARNING*******

A. Never install telephone wiring during a lightning storm.

B. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.

C. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.

D. Use caution when installing or modifying telephone lines.

7.0 SPECIFICATIONS

INPUT POWER:	C.O. LINE POWERED
LOOP CURRENT:	23MA MIN. 80MA MAX.
IMPEDANCE:	600 OHMS
SIGNALING:	DTMF, 70MS TONE, 50MS SPACING
OUTPUT:	-4.0 TO -6.0DBM
SIGNALING:	ROTARY (PULSES)
OUTPUT:	10 PPS/50 % BREAK. 20 PPS/50 % BREAK.
HEARING AID COMPATIBLE:	MEETS EIA STANDARDS
ENVIRONMENTAL:	TEMPERATURE 0OC TO 50OC HUMIDITY 20%-90%
PROGRAMMING:	VIA DTMF KEYPAD.
TELEPHONE PANEL:	BRUSHED 14 GA. STAINLESS STEEL
DIMENSIONS:	7 1/6∀ W X 11 1/4∀ H X 4 1/4∀ D (HANDSET ON HOOK).
MOUNTING:	VERTICAL SURFACE MOUNT
WEIGHT:	APPROXIMATELY 4 LB.
WEATHERPROOF HOUSING:	CAST ALUMINUM
DIMENSIONS:	9 1/2" WIDE X 12 5/8" HIGH X 8" DEEP (INCLUDING DOOR).
MOUNTING:	4 HOLES SPACED 8" X 5 7/8" X 13/32"
WEIGHT:	APPROXIMATELY 12 POUNDS
MEMORY RETENTION:	LITHIUM BATTERY - LONG LIFE
FCC REGISTRATION:	BW88T7-13823-TE-T
UL LISTED NO.	6OF5
RINGER EQUIVALENCY:	0.8A
TYPE JACK:	RJ11C

8.0 PARTS LIST

QUANTITY	PART NUMBER	DESCRIPTION
1	705-110	Keypad
1	700-008	Keypad cable
1	650-541	MCRK-2 PC board.
1	301-016	Handset with armored cord
1	301-009	Network
1	301-581	Tongue & bracket assembly
1	301-588	Hookswitch cradle
2	301-570	Microswitch assembly
1	331-010	Stainless Steel Panel
1	331-005	Cast Aluminum Weather Proof Case
1	301-051	Modular Jack
1	301-018	30" Modular Cord
1	650-570	Network Cable
4	301-016	Security screw

Accessories:

1	301-064	Security tool
1	Handset, 18" w/lanyard	301-106

9.0 REPAIR & RETURN POLICY

9.1 WARRANTY REPAIR

Any device returned requiring warranty service, repair or credit must be accompanied with a Return Material Authorization" (RMA) form. It must include: return shipping instructions, original purchase order number and special marking instructions. A description of the trouble observed must be attached to the defective unit. This information must be inside the shipping container.

9.2 DIRECT ALL INQUIRIES TO:

CEECO
Repair Department
863-357-0798- telephone
863-357-0006- facsimile
info@ceeco.net
www.ceeco.net

9.3 NON-WARRANTY REPAIR

CEECO will repair equipment out of warranty for a set charge plus parts. The customer must pay the shipping costs both directions.

9.4 RETURN FOR CREDIT

Material returned for credit is subject to a 20% restocking charge, based on the manufacturer's list price.

9.5 EXCHANGE POLICY

If a replacement unit is required it will be shipped in the most expedient manner consistent with the urgency of the situation. Please contact "customer service" for instructions regarding exchange of modules or printed circuit boards.

10.0 WARRANTY

10.1 GENERAL

CEECO guarantees its products to be free from defects in material and workmanship for a period of 365 days from the date of original purchase. CEECO'S obligation under this warranty is limited to repair or replacement of any part found to be defective by CEECO.

UNDER NO CIRCUMSTANCES shall CEECO be liable for loss, damage, cost of repair or consequential damages of any kind, which have been caused by neglect, abuse or improper operation of equipment.

CEECO will repair or replace any unit during this period if found to be defective for reasons other than abuse and improper use or improper installation. It is the buyer's responsibility to return the defective unit to the factory. CEECO will then repair or replace any defective parts and return them to the buyer free of charge.

10.2 PRINTED CIRCUIT BOARDS

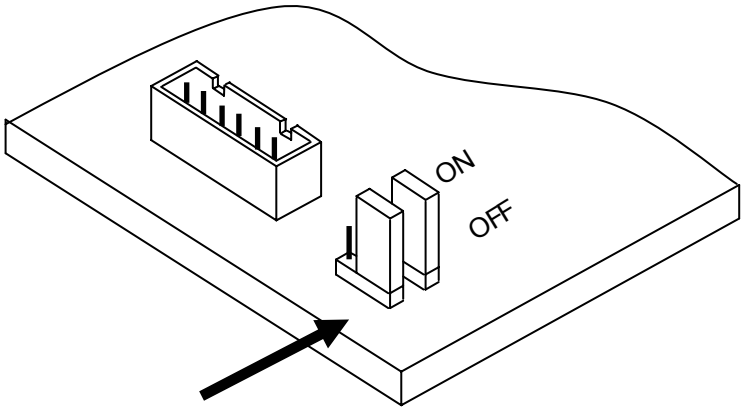
Printed circuit boards should not be field repaired. If a unit is found to be faulty, replace it with another unit and return the faulty unit to CEECO for repair. Modifications by any one other than CEECO will void the warranty

CEECO will repair or replace any unit during this period if found to be defective for reasons other than abuse and improper use or installation.

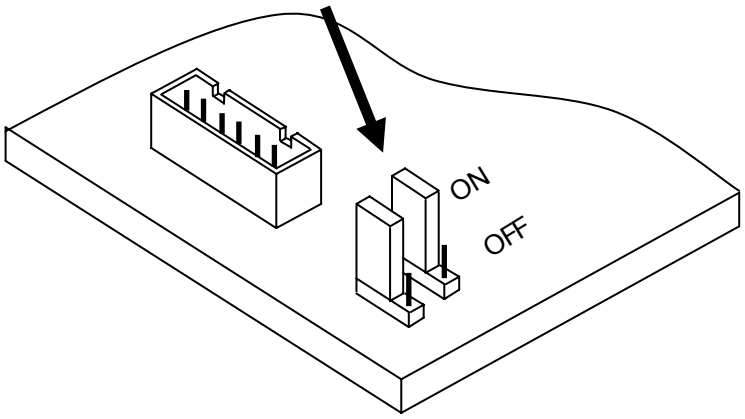
It is the buyer's responsibility to return the defective unit to the factory. CEECO will then repair or replace any defective parts and return them to the buyer free of charge.

11.0 DIAGRAM

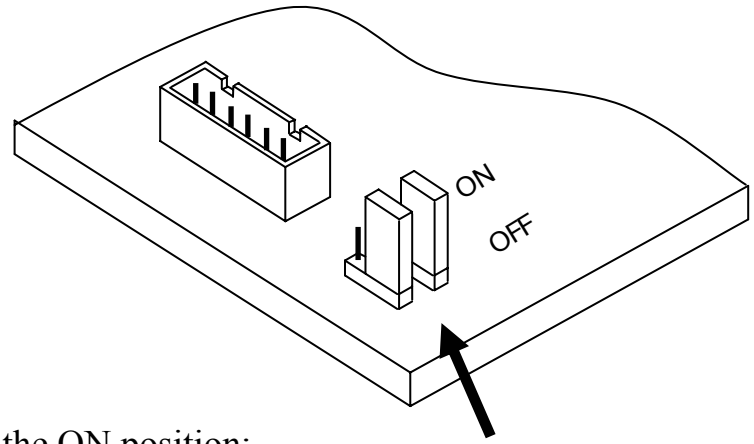
Locate the mini jumpers on the corner of the PCB.



Move the **mini jumpers** to the **ON** position **BEFORE** going off-hook.



When programming is completed, move the **mini jumpers** to the **OFF** position.



NOTE:
Do not leave the mini jumpers in the ON position; this will decrease battery life.